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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/845,225

DATE: 05/14/2001  
 TIME: 12:32:25

Input Set : A:\9508005999.txt  
 Output Set: N:\CRF3\05142001\I845225.raw

## SEQUENCE LISTING

C--> 4 (1) GENERAL INFORMATION:  
 6 (i) APPLICANT: Erni, B.  
 C--> 8 (ii) TITLE OF INVENTION: TARGET SYSTEM  
 10 (iii) NUMBER OF SEQUENCES: 32  
 12 (iv) CORRESPONDENCE ADDRESS:  
 13 (A) ADDRESSEE: Pennie & Edmonds LLP  
 14 (B) STREET: 1155 Avenue of the Americas  
 15 (C) CITY: New York  
 16 (D) STATE: New York  
 17 (E) COUNTRY: USA  
 18 (F) ZIP: 10036  
 20 (v) COMPUTER READABLE FORM:  
 21 (A) MEDIUM TYPE: Diskette  
 22 (B) COMPUTER: IBM Compatible  
 23 (C) OPERATING SYSTEM: DOS  
 24 (D) SOFTWARE: FastSEQ Version 2.0  
 26 (vi) CURRENT APPLICATION DATA:  
 C--> 27 (A) APPLICATION NUMBER: US/09/845,225  
 C--> 28 (B) FILING DATE: 30-Apr-2001  
 29 (C) CLASSIFICATION:  
 31 (viii) ATTORNEY/AGENT INFORMATION:  
 32 (A) NAME: Gerald J. Flintoft  
 33 (B) REGISTRATION NUMBER: 20,823  
 34 (C) REFERENCE/DOCKET NUMBER:  
 36 (ix) TELECOMMUNICATION INFORMATION:  
 37 (A) TELEPHONE: 212-790-9090  
 38 (B) TELEFAX: 212-869-9741  
 39 (C) TELEX: 66141 PENNIE  
 42 (2) INFORMATION FOR SEQ ID NO: 1:  
 44 (i) SEQUENCE CHARACTERISTICS:  
 45 (A) LENGTH: 7 amino acids  
 46 (B) TYPE: amino acid  
 47 (D) TOPOLOGY: linear  
 49 (ii) MOLECULE TYPE: peptide  
 51 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 53 Lys Lys Phe His Leu Arg Lys  
 54 1 5  
 56 (2) INFORMATION FOR SEQ ID NO: 2:  
 58 (i) SEQUENCE CHARACTERISTICS:  
 59 (A) LENGTH: 7 amino acids  
 60 (B) TYPE: amino acid  
 61 (D) TOPOLOGY: linear  
 63 (ii) MOLECULE TYPE: peptide  
 66 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
 68 Lys Lys Phe Ala Leu Arg Lys  
 69 1 5

ENTERED

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71 (2) INFORMATION FOR SEQ ID NO: 3:
73   (i) SEQUENCE CHARACTERISTICS:
74       (A) LENGTH: 7 amino acids
75       (B) TYPE: amino acid
76       (D) TOPOLOGY: linear
78   (ii) MOLECULE TYPE: peptide
80   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
82   Lys Lys Phe Asp Leu Arg Lys
83       1           5
85 (2) INFORMATION FOR SEQ ID NO: 4:
87   (i) SEQUENCE CHARACTERISTICS:
88       (A) LENGTH: 12 amino acids
89       (B) TYPE: amino acid
90       (D) TOPOLOGY: linear
92   (ii) MOLECULE TYPE: peptide
94   (ix) FEATURE:
95       (A) NAME/KEY: peptide
96       (B) LOCATION: 1
97       (D) OTHER INFORMATION: /label=Xaa
98 /note= "wherein Xaa can be any amino acid"
100   (ix) FEATURE:
101       (A) NAME/KEY: peptide
102       (B) LOCATION: 2
103       (D) OTHER INFORMATION: /label=Xaa
104 /note= "wherein Xaa can be any amino acid"
106   (ix) FEATURE:
107       (A) NAME/KEY: peptide
108       (B) LOCATION: 11
109       (D) OTHER INFORMATION: /label=Xaa
110 /note= "wherein Xaa can be any amino acid"
112   (ix) FEATURE:
113       (A) NAME/KEY: peptide
114       (B) LOCATION: 12
115       (D) OTHER INFORMATION: /label=Xaa
116 /note= "wherein Xaa can be any amino acid"
119   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 121   Xaa Xaa Lys Lys Trp His Leu Arg Lys Arg Xaa Xaa
122       1           5           10
124 (2) INFORMATION FOR SEQ ID NO: 5:
126   (i) SEQUENCE CHARACTERISTICS:
127       (A) LENGTH: 8 amino acids
128       (B) TYPE: amino acid
129       (D) TOPOLOGY: linear
131   (ii) MOLECULE TYPE: peptide
133   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
135   Lys Lys Trp His Leu Arg Lys Arg
136       1           5
138 (2) INFORMATION FOR SEQ ID NO: 6:
140   (i) SEQUENCE CHARACTERISTICS:

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141      (A) LENGTH: 8 amino acids
142      (B) TYPE: amino acid
143      (D) TOPOLOGY: linear
145      (ii) MOLECULE TYPE: peptide
147      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
149  Lys Gly Trp His Lys Arg Lys Lys
150      1          5
152 (2) INFORMATION FOR SEQ ID NO: 7:
154      (i) SEQUENCE CHARACTERISTICS:
155          (A) LENGTH: 8 amino acids
156          (B) TYPE: amino acid
157          (D) TOPOLOGY: linear
159      (ii) MOLECULE TYPE: peptide
161      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
163  Lys Lys Trp His Arg Arg Lys Lys
164      1          5
166 (2) INFORMATION FOR SEQ ID NO: 8:
168      (i) SEQUENCE CHARACTERISTICS:
169          (A) LENGTH: 8 amino acids
170          (B) TYPE: amino acid
171          (D) TOPOLOGY: linear
173      (ii) MOLECULE TYPE: peptide
175      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
177  Lys Lys Trp His Lys Arg Lys Lys
178      1          5
180 (2) INFORMATION FOR SEQ ID NO: 9:
182      (i) SEQUENCE CHARACTERISTICS:
183          (A) LENGTH: 8 amino acids
184          (B) TYPE: amino acid
185          (D) TOPOLOGY: linear
187      (ii) MOLECULE TYPE: peptide
189      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
191  Lys Lys Phe His Ile Arg Lys Arg
192      1          5
194 (2) INFORMATION FOR SEQ ID NO: 10:
196      (i) SEQUENCE CHARACTERISTICS:
197          (A) LENGTH: 9 amino acids
198          (B) TYPE: amino acid
199          (D) TOPOLOGY: linear
201      (ii) MOLECULE TYPE: peptide
203      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
205  Pro Asn Gly Leu His Thr Arg Pro Ala
206      1          5
208 (2) INFORMATION FOR SEQ ID NO: 11:
210      (i) SEQUENCE CHARACTERISTICS:
211          (A) LENGTH: 9 amino acids
212          (B) TYPE: amino acid
213          (D) TOPOLOGY: linear
215      (ii) MOLECULE TYPE: peptide

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217      (ix) FEATURE:
218          (A) NAME/KEY: peptide
219          (B) LOCATION: 1
220          (D) OTHER INFORMATION: /label=Pro
221 /note= "wherein a biotin molecule is covalently
222 linked to Pro at position 1"
224      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
226 Pro Asn Gly Leu His Thr Arg Pro Ala
227 1          5
229 (2) INFORMATION FOR SEQ ID NO: 12:
231      (i) SEQUENCE CHARACTERISTICS:
232          (A) LENGTH: 4 amino acids
233          (B) TYPE: amino acid
234          (D) TOPOLOGY: linear
236      (ii) MOLECULE TYPE: peptide
238      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
240 Trp His Lys Arg
241 1
243 (2) INFORMATION FOR SEQ ID NO: 13:
245      (i) SEQUENCE CHARACTERISTICS:
246          (A) LENGTH: 4 amino acids
247          (B) TYPE: amino acid
248          (D) TOPOLOGY: linear
250      (ii) MOLECULE TYPE: peptide
252      (ix) FEATURE:
253          (A) NAME/KEY: peptide
254          (B) LOCATION: 1
255          (D) OTHER INFORMATION: /label=Trp
256 /note= "wherein Trp is acetylated"
258      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
260 Trp His Lys Arg
261 1
265 (2) INFORMATION FOR SEQ ID NO: 14:
267      (i) SEQUENCE CHARACTERISTICS:
268          (A) LENGTH: 15 amino acids
269          (B) TYPE: amino acid
270          (D) TOPOLOGY: linear
272      (ii) MOLECULE TYPE: peptide
277      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
279 Gly Leu Arg Phe Gly Lys Thr Arg Val His Tyr Leu Val Leu Gly
280 1          5          10          15
282 (2) INFORMATION FOR SEQ ID NO: 15:
284      (i) SEQUENCE CHARACTERISTICS:
285          (A) LENGTH: 15 amino acids
286          (B) TYPE: amino acid
287          (D) TOPOLOGY: linear
289      (ii) MOLECULE TYPE: peptide
291      (ix) FEATURE:
292          (A) NAME/KEY: peptide

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293      (B) LOCATION: 11
294      (D) OTHER INFORMATION: /label=Trp
295 /note= "wherein Trp is acetylated"
297      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
299 Ser Gly Arg Lys Ser Thr Arg Val His His Trp Leu Leu Val Leu
300  1          5          10          15
302 (2) INFORMATION FOR SEQ ID NO: 16:
304      (i) SEQUENCE CHARACTERISTICS:
305          (A) LENGTH: 10 amino acids
306          (B) TYPE: amino acid
307          (D) TOPOLOGY: linear
309      (ii) MOLECULE TYPE: peptide
311      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
314 Lys Met Ser Arg His Arg Lys Pro Gly Ala
315  1          5          10
317 (2) INFORMATION FOR SEQ ID NO: 17:
319      (i) SEQUENCE CHARACTERISTICS:
320          (A) LENGTH: 10 amino acids
321          (B) TYPE: amino acid
322          (D) TOPOLOGY: linear
324      (ii) MOLECULE TYPE: peptide
326      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
328 Ser Ser Leu Arg Gly His Arg Trp Val Tyr
329  1          5          10
333 (2) INFORMATION FOR SEQ ID NO: 18:
335      (i) SEQUENCE CHARACTERISTICS:
336          (A) LENGTH: 10 amino acids
337          (B) TYPE: amino acid
338          (D) TOPOLOGY: linear
340      (ii) MOLECULE TYPE: peptide
342      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
344 Lys Ile Ser Arg His Gly Lys Arg Gly Lys
345  1          5          10
347 (2) INFORMATION FOR SEQ ID NO: 19:
349      (i) SEQUENCE CHARACTERISTICS:
350          (A) LENGTH: 10 amino acids
351          (B) TYPE: amino acid
352          (D) TOPOLOGY: linear
354      (ii) MOLECULE TYPE: peptide
356      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
358 Lys Ile Ser Arg His Gly Arg Pro Thr Gly
359  1          5          10
361 (2) INFORMATION FOR SEQ ID NO: 20:
363      (i) SEQUENCE CHARACTERISTICS:
364          (A) LENGTH: 10 amino acids
365          (B) TYPE: amino acid
366          (D) TOPOLOGY: linear
368      (ii) MOLECULE TYPE: peptide
370      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:

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VERIFICATION SUMMARY. DATE: 05/14/2001  
PATENT APPLICATION: US/09/845,225 TIME: 12:32:27

Input Set : A:\9508005999.txt  
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L:4 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]  
L:8 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]  
L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4